

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A method for production of a speech recognition interface for a domain specific to an applied field, comprising:

manually building a conceptual model using two main knowledge sources comprising generic syntactic and semantic grammer and basic vocabulary by manually describing resources specific to the application,

producing a set of generic grammar rules representative of a class of applications,

computing the syntactic and semantic grammar and the vocabulary specific to the applied field,

revising phraseology and producing explanations of the conceptual model,

inputting the conceptual model to the speech recognition interface for the applied field,

exemplifying different generic grammar rules whose constraints are satisfied, and

producing grammar for the applied field concerned from the exemplified generic grammar and from said conceptual model.

2. (Previously Presented) The method as claimed in claim 1, wherein the basic vocabulary is revised and the terms contrary to the semantics of the application concerned are corrected.

3. (Previously Presented) The method as claimed in claim 1, wherein the generic grammar is revised and new terms are added to enrich the grammar of the applied field.

4. (Previously Presented) The method as claimed in claim 1, wherein the explanations explain rules applied when generating grammar specific to the applied field.

5. (Previously Presented) A device for automatic production of speech recognition interfaces for a domain specific to an applied field, comprising:

a user interface for manually building a conceptual model using two main knowledge sources comprising generic grammar and basic vocabulary, the user interface being configured for displaying and revising phraseology and producing explanations of the conceptual model,

means for conceptual model input,

derivation means,

means for providing a generic model, and

means for executing grammar specific to the applied field concerned.

6. (Previously Presented) The device as claimed in claim 5, wherein further comprising revision means.

7. (Previously Presented) The device as claimed in claim 5, wherein further comprising explanation means.

8. (Previously Presented) The method as claimed in claim 2, wherein the generic grammar is revised and new terms are added to enrich the grammar of the applied field.

9. (Previously Presented) The method as claimed in claim 2, wherein explanations are produced, explaining the rules applied when generating the grammar specific to the applied field.

10. (Previously Presented) The method as claimed in claim 3, wherein explanations are produced, explaining the rules applied when generating the grammar specific to the applied field.

11. (Previously Presented) The device as claimed in claim 7, wherein the explanations explain rules applied when generating grammar specific to the applied field.

12. (Previously Presented) The device as claimed in claim 6, further comprising an explanation means.

13. (Previously Presented) A method for producing a speech recognition interface for a domain specific to a selected application comprising:

describing, using manual input means, the resources specific to the selected application, by verbalizing concepts using a formal model of the selected application to establish a conceptual model and the vocabulary of the selected application,

using derivation of the specific resources and generic resources to compute a linguistic model and vocabulary of sub-language dedicated to the speech recognition interface for said application when the resources specific to the application are acquired,

inputting a set of statements of this sub-language, as well as the knowledge relating to the application and needed to manage an operator-system dialog,

displaying and revising all or some of the input sub-language in order for a user to refine phraseology of this input by adding, deleting or modifying the phraseology,

producing explanations which make it possible to automatically identify conceptual and vocabulary data input by the user from which a given characteristic of a statement or a set of statements of the sub-language originates, and

executing the resulting speech recognition interface on an selected environment to validate the interface.